Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of November 2006. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of November 2006.

Communicable Diseases

In total, there were **338** new infections occurring across 20 communicable diseases** (excluding sexually transmitted infections and HIV) in November 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Methicillin Resistant Staphylococcus Aureus (166 cases observed; expected range 0-150 cases). The expected number of cases and accompanying range is based on the number of cases during October, November and December 2001-2005.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **465** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in November: 334 cases of chlamydia (Ct), 86 cases of gonorrhoea (GC), 40 GC-Ct co-infections, and 5 cases of syphilis. About half of all GC and Ct cases in the province were reported among females age 15-24 years. Around half of all GC and Ct cases (48%) were reported for individuals living in the Winnipeg health region, and an additional 20% were from the Burntwood health region.

In November, 30 individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. One thirds of the cases were among males in the 40-49 year age groups. Five Manitobans, mostly males, tested positive for HIV in November 2006.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,
Dr. Suresh Khatkar
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR November 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	3	1	2	0-5	30	33
022	ANTHRAX				***		1
127.0	ASCARIASIS			0	0-2		
005.8	B. CEREUS	1		0	0-1	2	
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1	1	
320.1	BAC. MENINGITIS - PNEUM			0	0-1	2	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		2		***		5
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS		1	10	0-71	3	7
008.43	CAMPYLOBACTER	15	16	15	2-28	260	216
558.2	CLOSTRIDIUM DIFFICILE	102	84		***	849	1030
046.1	CREUTZFELD-JACOB DISEASE				***		1
007.8	CRYPTOSPORIDIOSIS	2	2	2	0-5	20	28
061.0	DENGUE FEVER			0	0-0		2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	1	1	0	0-1	3	7
008.0	E. COLI-VEROTOXIGENIC	2	3	2	0-6	37	156
054.3	ENCEPHALITIS			0	0-1		1
005.9	FOOD POISONING OTHER			0	0-1		1
007.1	GIARDIA LAMBLIA	10	7	11	3-19	113	122
041.5	H.I.B.-NON MTGS			0	0-1	3	1
041.59	HAEM. INFLUENZAE (non-B)				***		1
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1	1	
070.1	HEPATITIS A		2	1	0-4	16	14
070.3	HEPATITIS B			0	0-1	6	6
070.51	HEPATITIS C	38	30	40	23-57	386	304
054.8	HERPES-W-UNSPEC COMPL			0	0-0		5
487.1A	INFLUENZA A				***		
487.1B	INFLUENZA B				***		
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	3	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		2
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	5	6
088.81	LYME DISEASE			0	0-0	6	2
084	MALARIA			1	0-3	10	17
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1	2	
B95.6	MRSA	138	166	62	0-150	1170	1562
072.9	MUMPS	1		0	0-1	9	1
036.89	N.MENINGITIDIS OTHER			0	0-1	1	2
728.86	NECROTIZING FASCIITIS	1	3	1	0-3	8	18
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***	1	

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	2	1	6	0-15	31	10
038.2	PNEUM. SEPTICEMIA	5	6	7	1-13	71	114
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER	1		1	0-3	15	1
003.0	SALMONELLA	8	6	13	2-24	143	133
120	SCHISTOSOMIASIS			0	0-1		1
004	SHIGELLOSIS	1	1	1	0-4	10	11
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS		1		***		1
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		1
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1	2	
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	3	
127.2	STRONGYLOIDES			0	0-1	4	5
037	TETANUS			0	0-0		1
130.9	TOXOPLASMOSIS			1	0-5		1
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZ.			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1		2	1-3	24	19
011	TUBERCULOSIS - RESP.	3	3	7	1-13	79	63
010	TUBERCULOSIS-PRIM.			1	0-3	8	14
021.9	TULAREMIA	1		0	0-1	2	1
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	6	2		***	47	30
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1	1	10
047.1	VIRAL MENINGITIS-ECHO	3		2	0-6	34	10
047.8	VIRAL MENINGITIS-ENTERO				***	16	5
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***	3	1
198	WNV NEUROLOGICAL SYNDROME				***	10	17
197	WNV NON-NEUROLOGICAL SYND				***	45	33
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA			0	0-1	15	12
		346	**338**			**3513**	**4051**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR November 2006

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS																									1			1
116.0	BLASTOMYCOSIS					1											1								1				2
005.2	C. PERFRINGENS				2				1							1	2	2	1	1		2	2	1	1				16
008.43	CAMPYLOBACTER								1			2	1	2		3	1	2	3	2	6	6	6	6	8	23	12		84
558.2	CLOSTRIDIUM DIFFICILE			2																									2
007.8	CRYPTOSPORIDIOSIS																		1										1
123.4	DIPHYLLOBOTHRIUM			1		1														1									3
008.0	E. COLI 0157				1		1	1	1				1			1			1										7
007.1	GIARDIA LAMBLIA																				2								2
070.1	HEPATITIS A												1	3	2	3	1	4	10	3	2				1				30
070.51	HEPATITIS C																												
B95.6	MRSA	5	3	3	9	5	3	9	6	7	2	7	3	5	8	6	11	6	5	2	5	9	4	5	8	17	13		166
728.86	NECROTIZING FASCIITIS													1		1	1												3
033.0	PERTUSSIS								1																				
003.0	SALMONELLA	1	1		1							1				1	1												1
004	SHIGELLOSIS				1																								6
785.5	STAPHYLOCOCCUS AUREUS																												1
038.2	STREP.PNEUMOCOCCAL SEPTIC													1				1	1			1	2						6
011	TUBERCULOSIS - RESP.													1			1			1									3
B96.8	VANCOMYCIN RES. ENTER.																							1			1		2
196	WNV Asymptomatic Infectio											1																	1
198	WNV Neurological Syndrome													1		1		3	3	1	3	1		1	2		1		17
197	WNV Non-Neurological Synd											2				1	2	4	6	2	8		4	1	1	1	1		33
		6	4	6	14	7	4	10	10	7	2	11	8	14	10	18	21	22	31	13	26	19	19	15	22	42	28		389

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR November 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	1																					1
116.0	BLASTOMYCOSIS	2																					2
005.2	C. PERFRINGENS												1										1
008.43	CAMPYLOBACTER	8					1		1		1		2		1				2				16
558.2	CLOSTRIDIUM DIFFICILE	59					2		2		9		6		3				2			1	84
007.8	CRYPTOSPORIDIOSIS						1				1												2
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E. COLI 0157	3																					3
007.1	GIARDIA LAMBLIA	4	1						1				1										7
070.1	HEPATITIS A								1		1												2
070.51	HEPATITIS C	18	1				2		4				1		1		2				1		30
B95.6	MRSA	60	7	2	3		4		4		2		3			2	14	51	11	1		2	166
728.86	NECROTIZING FASCIITIS	2															1						3
033.0	PERTUSSIS										1												1
003.0	SALMONELLA	4					1												1				6
004	SHIGELLOSIS						1																1
785.5	STAPHYLOCOCCUS AUREUS		1																				1
038.2	STREP.PNEUMOCOCCAL SEPTIC	4							1										1				6
011	TUBERCULOSIS - RESP.																	3					3
B96.8	VANCOMYCIN RES. ENTER.	2																					2
196	WNV Asymptomatic Infectio								1														1
198	WNV Neurological Syndrome	7			1		2		5		2												17
197	WNV Non-Neurological Synd	10			1		1		5		9		6						1				33
		185	**10**	**2**	**5**		**15**		**25**		**26**		**20**		**5**	**2**	**17**	**54**	**18**	**1**	**1**	**3**	**389**
Missing Investigation Forms (Jan.1 to end of October)		189	7	1			21	3	2	1	5		9		1		1	4	3	1	1	6	255

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report November 2006

DISEASE/INFECTION	MONTHLY TOTAL 2005	MONTHLY TOTAL 2006	YEAR-TO-DATE 2005	YEAR-TO-DATE 2006
All Chlamydia Infections	302	374	3582	3944
All Gonorrhea Infections (including PRNG)	130	126	1033	1469
All Syphilis Infections	3	5	79	55
Gonorrhea & Chlamydia Co-infections	42	40	420	467
Penicillin Resistant Gonorrhea Infections (PRNG)	1		1	
Suspect PRNG				
HIV	10	5	103	78

Total Number of STD Cases by Age and Gender - November 2006

Disease Name	<1 F	<1 M	1 - 4 F	1 - 4 M	5 - 9 F	5 - 9 M	10 - 14 F	10 - 14 M	15 - 19 F	15 - 19 M	20 - 24 F	20 - 24 M	25 - 29 F	25 - 29 M	30 - 39 F	30 - 39 M	40 - 49 F	40 - 49 M	50 - 59 F	50 - 59 M	60 - 69 F	60 - 69 M	70 - 79 F	70 - 79 M	80 + F	80 + M	Missing age/gendr	Total
Chlamydia Only Cases	1						4		91	27	85	43	25	22	12	17	1	3	1	2								334
Gonorrhea Only Cases							3		16	6	8	10	7	10	6	10	3	4		3								86
Syphilis Only Cases														1		1		2							1			5
GC and CT Cases							1		10	2	9	6	4	3	1	2	1										1	40
	1						8		117	35	102	59	36	36	19	30	5	9	1	5					1			465
HIV									1					1		2						1						5

Regional STD Distribution - November 2006

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	161	15	12	6		10	5	22		17		12	3	11	2	15	47	31	1	3	1	374
All Gonorrhea Infections	74		9	1		3	1	2		6		1		2	1	3	21	2				126
All Syphilis Infections	2							1		1										1		5
GC and CT Infections	15		4			2	1	1		3				2		2	9	1				40

Missing Investigation Forms (Jan.1 to end of October)	62	10		2			3	5		6		7	2	2	26	3	24	8		1	1	162

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction